ZyXEL M-102

XtremeMIMO 802.11b/g Wireless CardBus Adapter

Quick Start Guide

Version 1.0
September 2005

Important Note

Federal Communications Commission (FCC) Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This device complies with FCC RF Exposure limits set forth for an uncontrolled environment, under 47 CFR 2.1093 paragraph (d)(2).

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

1. Installation Requirements

Before installation, make sure you have a computer with the following:

- Pentium II 300MHz or above
- A minimum of 20 MB available hard disk space
- 32MB RAM (64MB Recommended)
- A CD-ROM drive
- A CardBus (PCMCIA Type II) slot
- Windows XP or 2000 Operating Systems

2. ZyXEL Utility and Hardware Installation

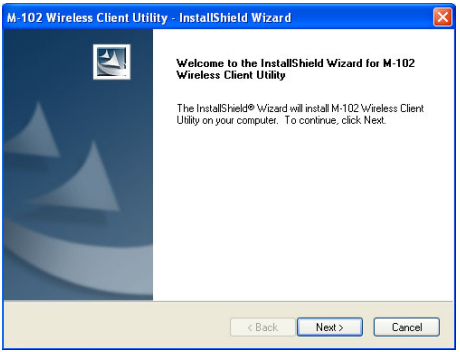
The installation procedures are similar for all supported Windows versions. Windows XP screen shots are shown unless otherwise specified.

DO *NOT* insert the ZyXEL M-102 at this point.

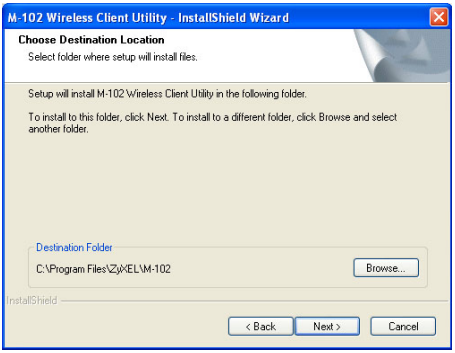
1. Insert the support CD into the CD-ROM drive on your computer. The installation program will automatically run. If it does not, locate and double-click **setup.exe** on the support CD through you're My Computer icon.

2. Click **Install Utility** to start installation.

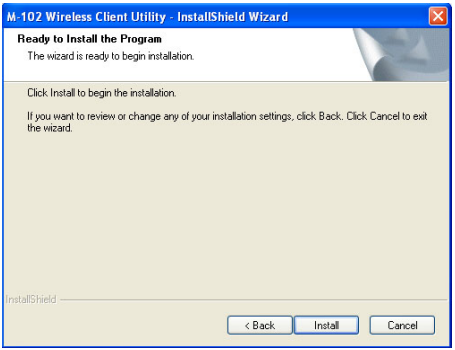
3. Click **Next** to proceed to the next step in the driver installation


M-102 Wireless Client Utility - InstallShield Wizard
Welcome to the InstallShield Wizard for M-102 Wireless Client Utility
The InstallShield® Wizard will install M-102 Wireless Client Utility on your computer. To continue, click Next.
< Back
Next >
Cancel

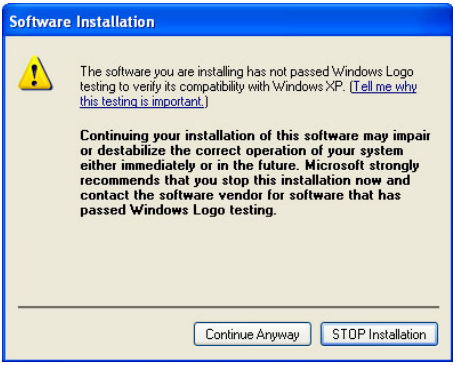
4. Please choose a folder by clicking **Browse** to save the ZyXEL M-102 driver utility in a folder of your choice. The default folder is selected for you to begin with. Click **Next** to select the folder and proceed to the next step.


M-102 Wireless Client Utility - InstallShield Wizard
Choose Destination Location
Select folder where setup will install files.
Setup will install M-102 Wireless Client Utility in the following folder.
To install to this folder, click Next. To install to a different folder, click Browse and select another folder.
Destination Folder
C:\Program Files\ZyXEL\M-102
Browse...
InstallShield
< Back
Next >
Cancel

5. Click the **Install** button to proceed with the installation.


M-102 Wireless Client Utility - InstallShield Wizard
Ready to Install the Program
The wizard is ready to begin installation.
Click Install to begin the installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
InstallShield
< Back
Install
Cancel

6. A warning in regards to the software being installed might pop up. Please click **Continue Anyway** to proceed with the installation.


Software Installation
The software you are installing has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)
Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the software vendor for software that has passed Windows Logo testing.
Continue Anyway
STOP Installation

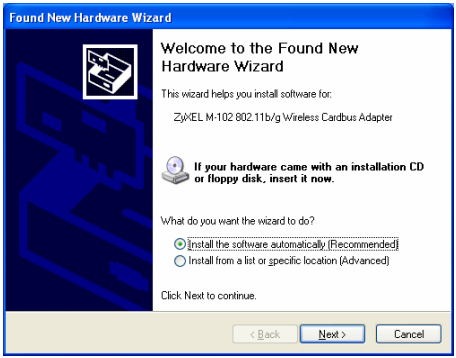
7. Click **Finish** to finish installation of the ZyXEL M-102 drivers and utility.

8. Please at this time, insert your ZyXEL M-102 CardBus Card into an available Cardbus slot

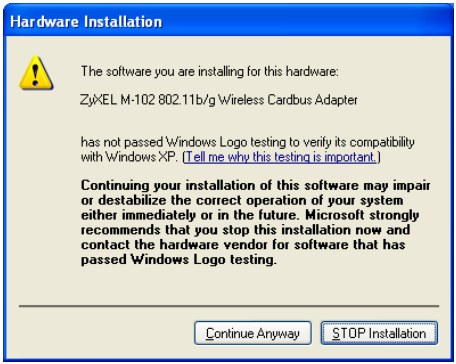
9. With the pin connectors facing the slot and the LED side facing up, slide the ZyXEL M-102 into the slot. The LEDs will turn on if the ZyXEL M-102 is properly inserted.

Never bend, force or twist the ZyXEL M-102 into the slot.

10. Windows will automatically detect and proceed with the next step in installing the ZyXEL M-102. Click **Next**


Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
This wizard helps you install software for:
ZyXEL M-102 802.11b/g Wireless Cardbus Adapter
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

11. A warning in regards to the software being installed might pop up. Please click **Continue Anyway** to proceed with the installation.


Hardware Installation
The software you are installing for this hardware:
ZyXEL M-102 802.11b/g Wireless Cardbus Adapter
has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)
Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
Continue Anyway
STOP Installation

12. After installation is complete, a new icon will appear in your system tray.

13. Double click the icon to configure your wireless adapter.

> **If the ZyXEL Utility icon displays, the ZyXEL M-102 is installed properly. Refer to the *User's Guide* to configure the ZyXEL M-102.**

LED Display

The following table describes the LEDs on the ZyXEL M-102.

STATUS	LEDS BEHAVIOR
Connecting	The PWR and LINK LEDs will blink by turns.
Connected	The PWR and LINK LEDs will blink at the same time.
Receiving/Sending Data	The PWR and LINK LEDs will blink quickly at the same time.

Troubleshooting

PROBLEM	CORRECTIVE ACTION
Windows does not auto-detect the ZyXEL M-102.	Make sure the ZyXEL M-102 is properly inserted into the Cardbus slot and then restart your computer. Once the computer has restarted, check the status of the LEDs on the ZyXEL M-102.
	Perform a hardware scan by clicking **Start**, **Settings**, **Control Panel** and then double-click **Add/Remove Hardware**. (Steps may vary depending on which Windows version you use). Follow the on-screen instructions to search for the ZyXEL M-102 and install the driver.
	Check for possible hardware conflicts. In Windows, click **Start**, **Settings**, **Control Panel**, **System**, **Hardware** and then click **Device Manager**. Verify the status of the ZyXEL M-102 under **Network Adapter**. (Steps may vary depending on the Windows version).
	Install the ZyXEL M-102 in another computer. If the error persists, there may be a hardware problem. In this case, please contact ZyXEL customer support at **800-978-7222** or on the web at **http://www.us.zyxel.com**.

Customer Support

Please have the following information ready when you contact customer support.

- **Serial number** for your specific product
- **Warranty Information**
- **Date** that you received or purchased your device
- **Brief description** of the problem including any steps that you have taken before contacting the ZyXEL Customer Support Representative

SUPPORT E-MAIL	TELEPHONE	WEB SITE
support@zyxel.com	+1-800-978-7222	www.us.zyxel.com